

PROJECT DESCRIPTION		EQUIPMENT LIST	
I. GENERAL	THIS PROJECT IS LOCATED AT THE INTERSECTION OF US 1 AND MUIRKIRK MEADOWS DRIVE IN PRINCE GEORGE'S COUNTY, MARYLAND AND INVOLVES THE RECONSTRUCTION OF AN EXISTING TRAFFIC SIGNAL THAT IS AFFECTED BY GEOMETRIC IMPROVEMENTS. US 1 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.	A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR	
		ITEM NO.	QUANTITY
II. INTERSECTION OPERATION	THE PROPOSED TRAFFIC SIGNAL WILL OPERATE IN A NEMA SIX (6) PHASE, FULLY TRAFFIC ACTUATED MODE. THE US 1 APPROACHES WILL OPERATE CONCURRENTLY, WITH AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND TRAFFIC. THE MUIRKIRK MEADOWS DRIVE APPROACH WILL OPERATE SEPERATE.	DESCRIPTION	1 EA
			3 EA
			52 SF
III. SPECIAL NOTES	A NEW EIGHT PHASE FULLY TRAFFIC ACTUATED CONTROLLER WITH TWO (2) FOUR CHANNEL RACK MOUNTED LOOP DETECTOR AMPLIFIERS, TELEMETRY MODULE, AND INTERSECTION MONITOR WITH BATTERY BACK UP HOUSED IN A NEMA SIZE SIX (6) BASE MOUNTED CABINET.	DESCRIPTION	1 EA.
			2 EA.
IV. CONSTRUCTION DETAILS	A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR	DESCRIPTION	1 EA.
			2 EA.
V. CONSTRUCTION DETAILS	B. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR	DESCRIPTION	1 EA.
			2 EA.

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

Mr. Charlie Watkins
District Engineer
Phone: (301) 513-7311

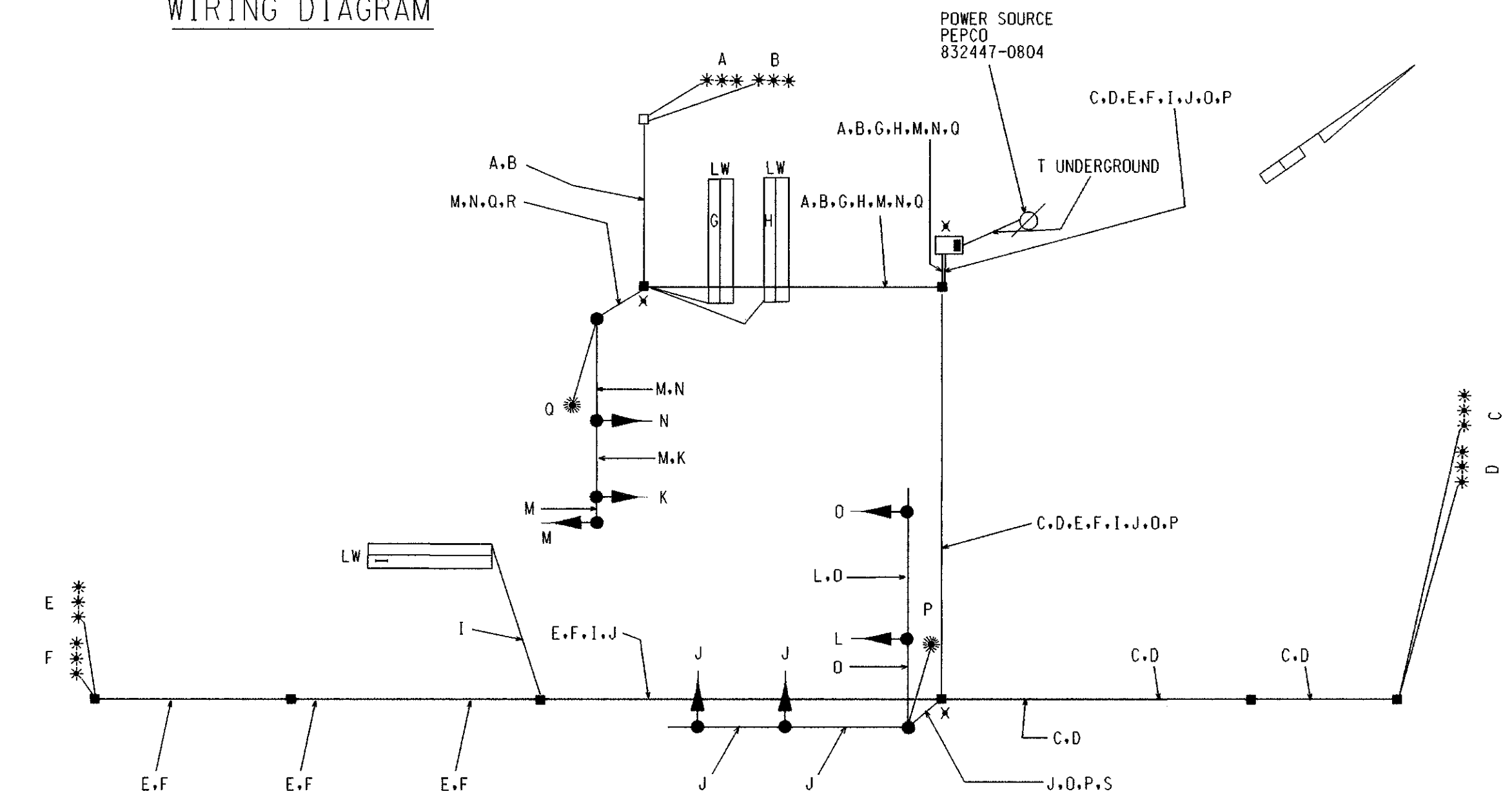
Mr. Majib Shakid
Assistant District Engineer-Traffic
Phone: (301) 513-7358

Mr. Randy Brown
Assistant District Engineer-Maintenance
Phone: (301) 513-7304

Mr. Augustine Rebish
Assistant District Engineer-Utility
Phone: (301) 513-7350

Mr. Richard Daff
Chief Traffic Operations Division
Phone: (410) 787-7360

WIRING DIAGRAM



The Power Company Representative is:
POTOMAC ELECTRIC POWER COMPANY
8300 OLD MARLBORO PIKE
UPPER MARLBORO, MARYLAND 20772
(301) 961-5325

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO 7491 CONNELLY DRIVE, HANOVER, MARYLAND 21076. IN ADVANCE OF REMOVAL, CONTACT MR. DAVID SCHWARTZ AT (410) 787-7668

QUANTITY	DESCRIPTION
1 EA.	POLE MOUNTED CONTROLLER AND CABINET

NOTE : ALL EQUIPMENT AND MATERIAL NOT LISTED ABOVE WILL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING KEY

A, B, C, D, E, F	MICRO PROBE CABLE
G, H, I	2 CONDUCTOR ALUMINUM SHIELD (NO. 14 AWG)
J, K, L	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
M, N, O	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
P, Q	2 CONDUCTOR ELECTRICAL CABLE (TYPE T/C)
R, S	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
T	1 CONDUCTOR ELECTRICAL CABLE (NO. 4 AWG)
U, V, W, X, Y, Z	GROUND ROD

PHASE CHART

	1	2	3	4	5	6	7
PHASE 1 & 6	G	G	G	R	R	R	R
PHASE 1 CHANGE	G	G	G	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	R	R
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	R	G	G
PHASE 4 CHANGE	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R



REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION US 1 AND MUIRKIRK MEADOWS DRIVE			
2 August 30, 2000	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	DRAWN BY: C. MUNZ	F.A.P. NO. 777B	TS NO. 777B	SHEET NO. 19 OF 24
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	CHECKED BY: I" = 20'	S.H.A. NO. PRINCE GEORGE'S	T.I.M.S. NO.	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	SCALE: 2/00	LOG. MILE: 1600010.23		
	DIRECTOR, TRAFFIC & SAFETY				